

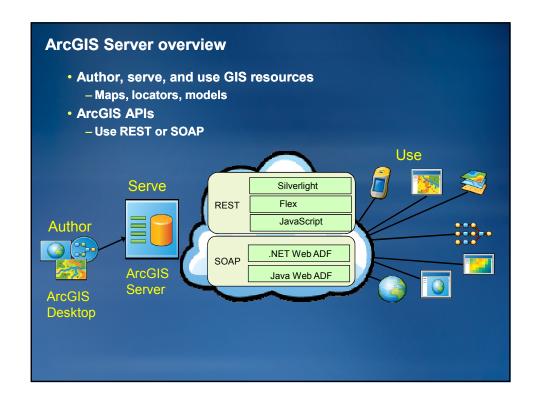


What makes a great web map? • Fast • Easy to use • Modern looking • Designed for the end user • Targeted data layers

Considerations for your Web map

- What is the purpose of the application?
- What business problem will it solve?
- Who are the end users?
- Will this be an internal or public-facing Web site?
- Which data do you need to include?
- What development environment do you prefer?





ArcGIS Server 9.3 REST API All GIS services exposed as resources Service-level metadata Some resources have operations Map service (export, find, identify) Map service layers (query) Image services (export) Geocode service (findAddressCandidates, Reverse Geocode) Geoprocessing service (execute, submitjob) Geometry service (project, simplify, and others)



ArcGIS Services Directory

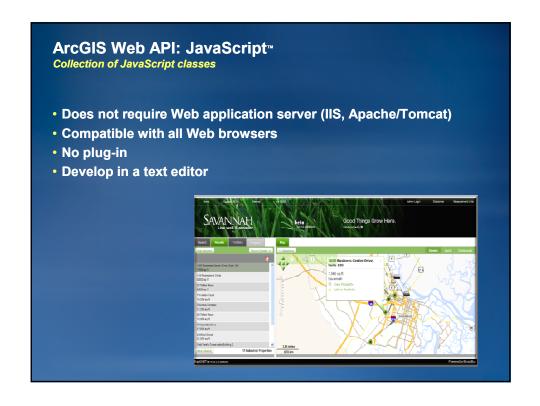
- Discover information about services
- Understand how to use a service with the ArcGIS API for JavaScript
- Get additional information about services
 - Layers in the map, IDs of the layers used for querying
 - Attribute names
 - Spatial reference
- If services are secured, they will require a login
- http://<server>/<instance>/rest/services
 - http://www.example.com/arcgis/rest/services



ArcGIS Web APIs

- JavaScript, Flex, Silverlight™
- All free for internal and noncommercial environments
- Utilize ArcGIS Online for data/content or someone else's ArcGIS Server implementation

ArcGIS Web APIs JavaScript, Flex, Silverlight • Embed maps and tasks into your Web application • All provide common capabilities • Chose the environment that suits your business needs • Available at the ArcGIS Resource Center **Total Visit Moved Seedic Moved Common Commo













ArcGIS API for JavaScript

- Browser-based API
- Makes it easy to embed maps into your Web page
 - Build applications that mashup your services with:
 - ArcGIS Online, Google Maps, or Bing Maps
- Powered by ArcGIS Server REST services
- Free to use
 - Provided and hosted by ESRI
 - No development or deployment license required
 - Public access to SDKs from ArcGIS Server Resource Centers
 - Need access to a GIS Server
- Built on top of Dojo JavaScript Toolkit
 - Includes complete Dojo Toolkit 1.3.2
 - Strong developer community
 - Powerful framework

ArcGIS API for Flex

- Browser-based API
 - Combine Rich Internet Applications with ArcGIS Server Services
 - Applications rendered by Flash Player
- Powered by ArcGIS Server REST services
 - Need access to a GIS Server
- Free to use
 - Public access to APIs from ArcGIS Server Resource Center
 - Provided and hosted by ESRI
 - No development or deployment license required

Adobe Flex Framework

- Flex Builder
 - Eclipse-based development environment
 - Code using an integrated development environment (IDE)
 - Interactive step-through debugging
 - Rich set of components
 - Visual design of the user the interface and behavior

Adobe Flex Framework

- Plug-in Environment
 - Flash Player
- Applications deploy consistently on
 - All major browsers
 - Desktops
 - Operating Systems
- Cross-operating system
 - Application dependent on Flash Player only
- Strong developer community
 - http://www.adobe.com/devnet/flex/

ArcGIS API for Microsoft Silverlight™/ WPF™

- Built on Silverlight and WPF (Windows Presentation Foundation)
 Platform
 - Combine Rich Interactive Applications and ArcGIS Server and Bing Map Services
 - Applications rendered by Microsoft Silverlight plug-in
- Free to use
 - No development or deployment license required for non-commercial
 - Access the online SDK and download the API library at the ArcGIS API for Microsoft Silverlight/WPF Server Resource Center

Microsoft Silverlight Framework

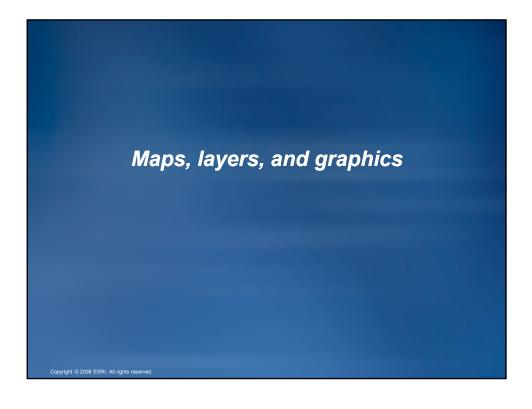
- Visual Studio or Visual Web Developer Express
 - Code using an integrated development environment (IDE)
 - Interactive step-through debugging
 - Rich set of components including the Silverlight toolkit
- Other Silverlight Tools
 - Expression Blend
 - Deep Zoom Composer

Which ESRI Web mapping API should I choose? ArcGIS Server Blog:

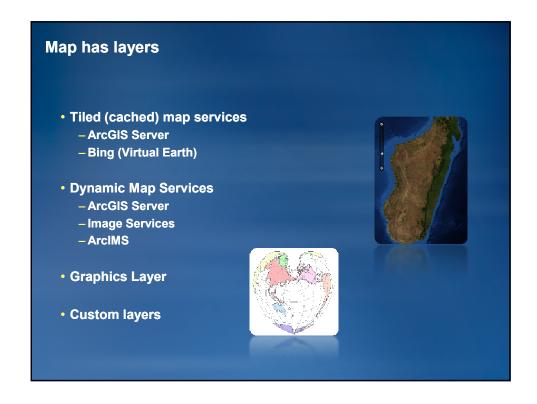
ArcGIS Web APIs - what can you do?

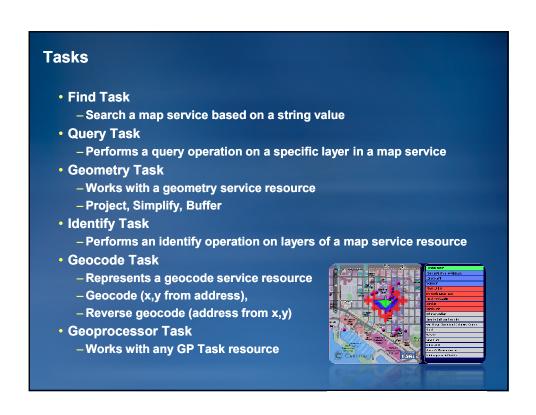
JavaScript, Flex, Silverlight

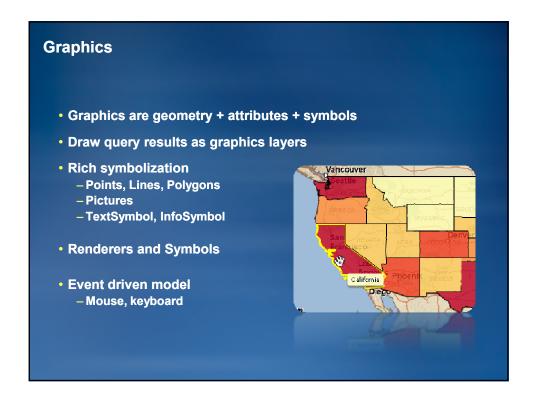
- Create an interactive map of your data
- Execute a Geoprocessing model on the server
- Use ArcGIS Online as a base map
- Search for features or attributes in your GIS data
- Locate addresses
- Visualize results in creative ways
- Create mashups



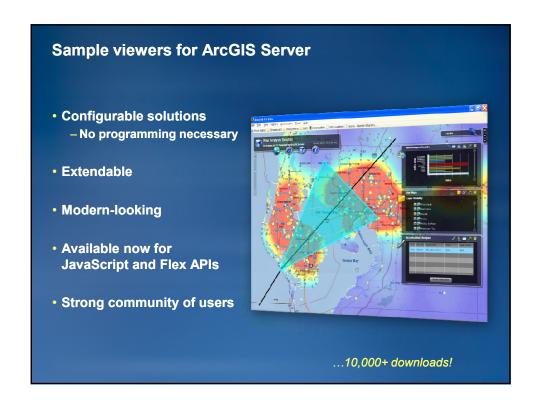
What is in the ArcGIS Server REST APIs? • Map Layers • Graphics • InfoWindow • Tasks • QueryTask • Locator • FindTask • IdentifyTask • Geoprocessor • Geometry • RouteTask

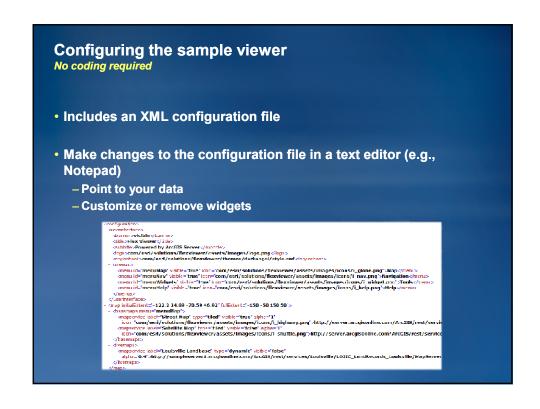


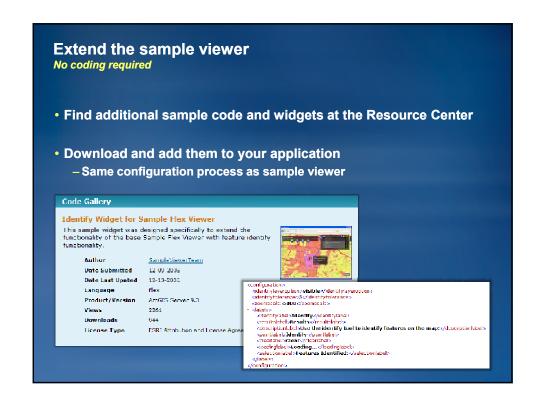
















Training options www.esri.com/training • Free Web-based training seminars - Building Rich Internet Applications with ArcGIS API for Flex - Building Mashups using the ArcGIS JavaScript APIs - Getting Started with ArcGIS API for Microsoft Silverlight - Authoring and Deploying Fast Web Maps - Implementing and Optimizing ArcGIS Server Map Caches • Instructor-led training courses - Introduction to ArcGIS Server - ArcGIS Server: Web Administration Using the Microsoft .NET Framework - Building Web Maps Using the ArcGIS API for JavaScript

